# Valdez Boat Harbor, NE-17

## Geographic Response Strategies for

*Prince William Sound Subarea*

Center of map at 61˚ 07.26' N Lat., 146˚ 21.32' W Lon.

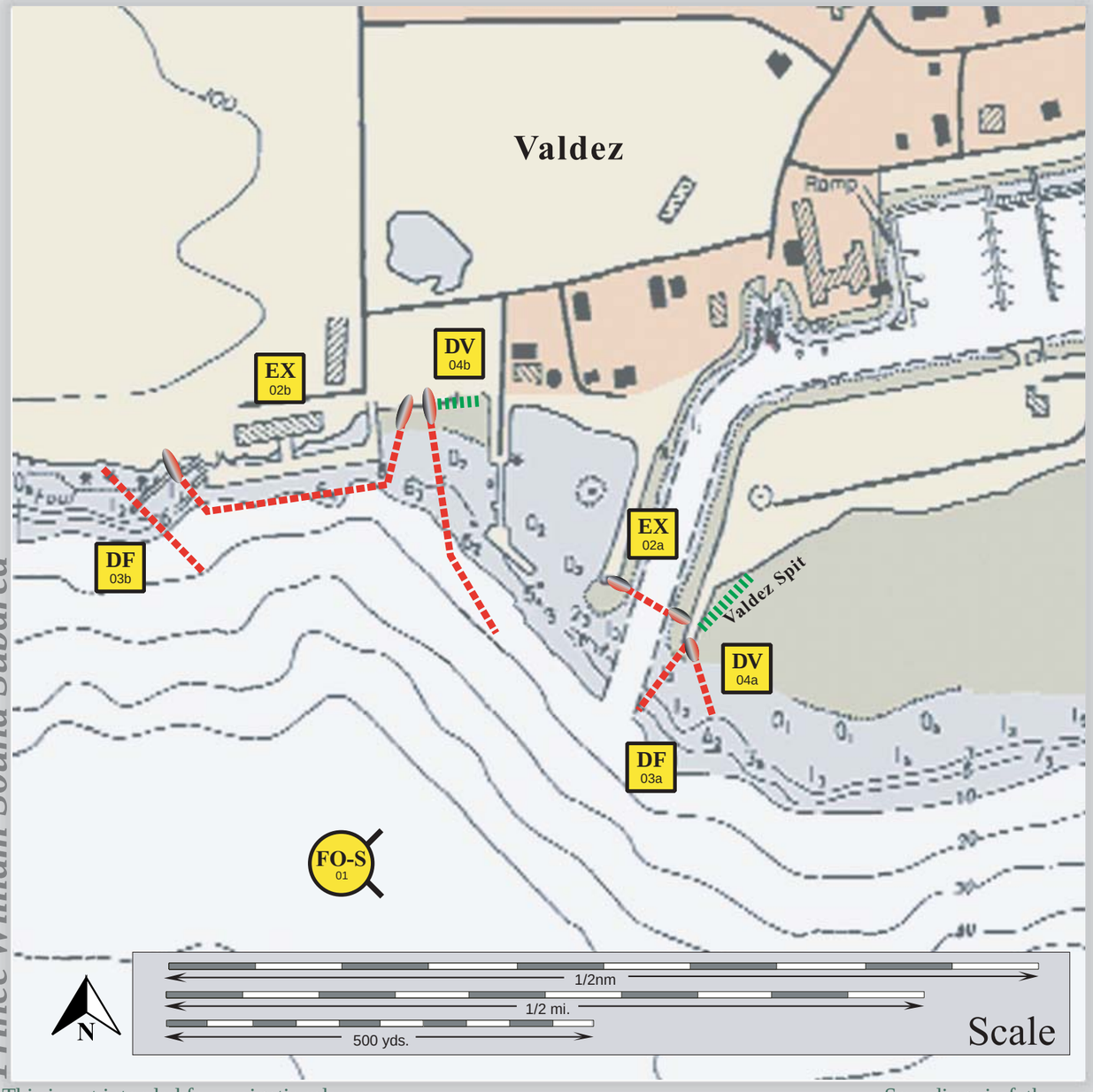
Map & Photo

Legend

caption

- FO-S — Free-oil Containment and Recovery, Shallow Water
- EX — Exclusion Booming
- DV — Diversion Booming
- DF — Deflection Booming
- Protected-water Boom
- Tidal-seal Boom
- Snare Line

caption




This is not intended for navigational use.

Soundings in fathoms

*June 2004*

DRAFT This tactic map is a working draft being used to develop a Geographic Response Strategy at this location. The tactics represented here have not been approved by the GRS Workgroup and should not be considered final. If you have questions or comments please contact us by email at contact@nukaresearch.com.

NUKA Research & Planning Group, LCC.

| ID | Location and Description | Response Strategy | Implementation | Response Resources | Staging Area | Site Access | Resources Protected (months) | Special Considerations |
|---|---|---|---|---|---|---|---|---|
| NE-17-01 | **Valdez Boat Harbor and City Dock**<br>Nearshore waters in the general area of:<br>Lat. 61º 06.79 N<br>Lon. 146º35.79 W | **Free-oil Recovery**<br>Maximize free-oil recovery in the offshore & nearshore environment of Valdez Boat Harbor and City Dock depending on spill location and trajectory. | Deploy free-oil recovery strike teams upwind and up current of Valdez Boat Harbor and City Dock.<br>Use aerial surveillance to locate incoming slicks. | Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas. | Valdez | Via marine waters<br>Chart 16707-2 | Same as NE-17-02 | Vessel master should have local knowledge. |
| NE-17-02 | **Valdez Boat Harbor and City Dock**<br>Anchor Points<br>a. Lat. 61º07.34 N Lon. 146º21.26 W<br>b. Lat. 61º 07.47 N Lon. 146º21.57 W | **Exclusion**<br>Exclude oil from impacting Valdez Boat Harbor and City Dock. | Transport equipment by skiff (class 6) from Valdez City Dock.<br>Deploy anchors and boom with skiffs (class 6).<br>Place tidal-seal boom at each end of the exclusion across the mouth of Valdez Boat Harbor and around the City Dock and complete with calm-water boom.<br>Tend throughout the tide.<br><u>Boom Lengths:</u><br>a. 400 ft.<br>b. 1600 ft. | **Deployment**<br>**Equipment**<br>2000 ft. calm-water boom<br>4 ea. 50 ft. section tidal-seal boom<br>5 ea. anchor systems (~40 lbs.)<br>**Vessels**<br>2 ea. class 6<br>**Personnel/Shift**<br>4 ea. vessel crew<br>**Tending**<br>**Vessels**<br>1 ea. class 6<br>**Personnel/Shift**<br>2 ea. vessel crew | City Dock | Via marine waters<br>Chart 16707-2 | Human use- high recreational use. | Vessel master should have local knowledge.<br>Cultural Resource sensitivity to be determined.<br>Tested: not yet<br>Surveyed: not yet |
| NE-17-03 | **Valdez Boat Harbor and City Dock**<br>Anchor Points<br>Ebb Tide:<br>a. Lat. 61º 07.34 N Lon. 146º21.26 W<br>Flood Tide:<br>b. Lat. 61º 07.46 N Lon. 146º21.95 W | **Deflection**<br>Deflect oil away from the mouth Valdez Boat Harbor and City Dock and back into the channel for collection. | Transport equipment to site by skiff (class 6).<br>Deploy boom and anchor system with skiff (class 6).<br>Depending on prevailing wind and current, position boom at adequate angle to deflect oil from Valdez Boat Harbor and City Dock to nearshore free-oil recovery.<br>Tend throughout the tide.<br><u>Boom Lengths:</u><br>a. 500 ft<br>b. 1200 ft | **Deployment**<br>**Equipment**<br>1700 ft. protected-water boom<br>2 ea. anchor systems (~100 lbs.)<br>**Vessels/Personnel/Shift**<br>Same as NE-17-02<br>**Tending**<br>**Vessels/Personnel/Shift**<br>Same as NE-17-02 | City Dock | Via marine waters<br>Chart 16707-2 | Same as NE-17-02 | Take appropriate measures as outlined in Part 2 of this document to protect the beach at the collection site.<br>Tested: not yet<br>Surveyed: not yet |
| NE-17-04 | **Valdez Boat Harbor and City Dock**<br>Anchor Points<br>Ebb Tide:<br>a. Lat. 61º 07.34 N Lon. 146º21.26 W<br>Flood Tide:<br>b. Lat. 61º 07.46 N Lon. 146º21.95 W | **Divert and Collect**<br>Divert oil to shore-side collection points determined by spill source and trajectory. | Transport equipment by skiff(class 6).<br>Deploy anchors and boom with skiffs (class 6).<br>Place protected-water boom at the proper angle by the boat harbor and city dock to divert oil to collection site.<br>Set up passive collection and tend throughout the tide.<br><u>Boom Lengths:</u><br>a. 1000 ft.<br>b. 1000 ft. | **Deployment**<br>**Equipment**<br>2000 ft. protected-water boom<br>200 ft. tidal-seal boom<br>2 ea. anchor systems (~100 lbs.)<br>200 bales sorbent boom<br>**Vessels/Personnel/Shift**<br>Same as NE-17-02<br>**Tending**<br>**Vessels/Personnel/Shift**<br>Same as NE-17-02 | City Dock | Via marine waters<br>Chart 16707-2 | Same as NE-17-02 | Vessel master should have local knowledge.<br>Tested: not yet<br>Surveyed: not yet |